



# Chickamauga and Chattanooga National Military Park Traffic Impact Study and Subarea Transportation Plan Improvement Strategies Evaluation Matrix



Table 1.13  
Improvement Strategy Matrix

No.	Description	Traffic Impact Area Impacts								Battlefield Subarea Impacts						
		Capacity	Operations	Safety	Wayfinding	Cost	Economic Impact	Environmental Justice	Cultural/ Natural Resources	Capacity	Operations	Safety	Wayfinding	Cultural/ Natural Resources	CCNMP Park Policies/Goals	Visitor Experience
I. North-South Mobility and Connectivity to Chattanooga																
I-1	Extend US 27 from SR 2/Battlefield Pkwy. to SR 146/Cloud Springs Rd.	+	+	+	n/a	-	○	-	-	+	+	+	n/a	n/a	+	+
I-2	Extension of US 27 from SR 2/Battlefield Pkwy. to LaFayette Rd./Chickamauga Ave.	-	-	+	n/a	-	○	-	-	+	+	+	n/a	n/a	+	+
I-3	Widen LaFayette Rd./Chickamauga Ave. from SR 146 to 37th Ave. in Chattanooga (4 to 6 lanes)	+	-	+	n/a	-	-	-	○	○	○	n/a	n/a	n/a	n/a	n/a
I-4	Improve intersection at SR 2/Battlefield Pkwy. and LaFayette Rd.	+	+	+	n/a	+	+	+	○	○	○	n/a	n/a	n/a	n/a	n/a
I-5	Improve intersection at US 27 and Osburn Rd.	○	+	+	n/a	+	○	+	○	○	○	n/a	n/a	n/a	n/a	n/a
I-6	Improve Three Notch Rd. and Red Belt Rd.	○	○	○	n/a	-	○	+	-	○	○	○	n/a	n/a	○	○
I-7	Construct new eastern bypass between Park boundary and Burning Bush Rd.	+	+	+	n/a	-	○	-	-	+	+	+	n/a	-	-	-
I-8	Improve shoulders and alignment on Burning Bush Rd. and provide turning lanes where warranted	+	+	+	n/a	-	+	+	-	+	+	+	n/a	n/a	○	○
I-9	Implement Demand Management program for commuters	+	+	n/a	n/a	+	+	+	○	n/a	n/a	n/a	n/a	○	○	+
II. East-West Mobility and Mobility within Ft. Oglethorpe																
II-1	Widen SR 2/Battlefield Pkwy. from Cedar Ln. to I-75 (4 to 6 lanes)	+	+	+	n/a	-	+	-	-	+	+	+	n/a	○	n/a	+
II-2	Develop access management/corridor management plan on SR 2/Battlefield Pkwy.	○	+	+	n/a	+	+	+	○	n/a	n/a	n/a	n/a	○	n/a	○
II-3	Widen McFarland Gap Rd from Mission Ridge Rd. to LaFayette Rd. (2 to 4 lanes)	+	+	-	n/a	-	+	-	-	○	○	-	n/a	-	-	-
II-4	Realign Thomas Rd. west of LaFayette Rd. and improve signage on Thomas Rd. and McFarland Gap Rd.	○	+	+	+	+	+	+	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a
II-5	Widen SR 146/Cloud Springs Rd. from LaFayette Rd. to US 41 (2 to 4 lanes)	+	+	+	n/a	-	+	-	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a
III. Gateway Linkages between Battlefield and Surrounding Area																
III-1	Conduct joint land use/transportation study on LaFayette Rd. corridor between Battlefield and SR 2	n/a	+	+	+	+	+	+	+	n/a	n/a	n/a	n/a	+	+	+
III-2	Make streetscape improvements on LaFayette Rd. between Battlefield and SR 2 and connect to Battlefield visitor center with multi-use path facility	n/a	+	+	+	+	+	+	+	n/a	n/a	n/a	+	+	+	+
III-3	Improve wayfinding signage to Battlefield from surrounding area	n/a	+	n/a	+	+	+	n/a	n/a	n/a	n/a	n/a	+	n/a	+	+
III-4	Develop coordinated wayfinding/signage program for historic sites outside and inside the Park	n/a	+	n/a	+	+	+	○	+	n/a	n/a	n/a	+	n/a	+	+
III-5	Develop excursion train between Chattanooga Choo-Choo site and City of Chickamauga	n/a	n/a	n/a	n/a	-	+	○	+	n/a	n/a	n/a	n/a	n/a	+	+
III-6	Develop regional auto tour	n/a	n/a	n/a	+	+	+	○	+	n/a	n/a	n/a	n/a	n/a	+	+
III-7	Connect to regional trail network	n/a	n/a	n/a	n/a	+	+	+	+	n/a	n/a	n/a	n/a	n/a	+	+

IMPACTS:	Positive	+	Negative	-	No Impact	○	Not applicable	n/a
Strategy not included in Plan								



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Table 1.13, continued

No.	Description	Traffic Impact Area Impacts								Battlefield Subarea Impacts						
		Capacity	Operations	Safety	Wayfinding	Cost	Economic Impact	Environmental Justice	Cultural/ Natural Resources	Capacity	Operations	Safety	Wayfinding	Cultural/ Natural Resources	CCNMP Park Policies/Goals	Visitor Experience
IV. CCNMP Battlefield Visitor Experience/Operational Improvements																
IV-1	Expand tour route for automobiles - Alexander’s Bridge Rd. to Jay’s Mill Rd. to Brotherton Rd. to LaFayette Rd.	n/a	n/a	n/a	n/a	n/a	+	n/a	+	○	+	+	+	○	+	+
IV-2	Expand tour route for automobiles - Reed’s Bridge Rd. to Jay’s Mill Rd. to Brotherton Rd. to Alexander’s Bridge Rd.	n/a	n/a	n/a	n/a	n/a	+	n/a	+	○	+	+	+	○	+	+
IV-3	Make circulation changes on Brotherton Rd. (one-way westbound), Viniard-Alexander Rd. (one-way eastbound), and Jay’s Mill Rd. (one-way northbound)	○	○	n/a	n/a	n/a	n/a	n/a	n/a	+	+	+	+	○	+	+
IV-4	Close gates at Park entrance locations: Lytle Rd., access road near Longhollow Rd., access road west of Wilder Brigade Monument., Wilder Rd., and Jay’s Mill Rd.	–	–	n/a	n/a	n/a	○	–	n/a	+	+	+	+	+	+	+
IV-5	Expand touring routes for alternative modes	n/a	n/a	n/a	n/a	n/a	+	n/a	n/a	+	+	+	n/a	○	+	+
IV-6	Develop Park Road Multimodal Functional Classification System that includes design speed, road character/pavement surface type, modal designation and purpose	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	+	+	+	+	+	+	+
IV-7	Expand or enhance parking facilities and/or interpretive stations at Alexander’s Bridge, Winfrey Field, Brock Field, Wilder Brigade Monument, Jay’s Mill, Kelly Field, Viniard Field West, and Reed’s Bridge for expanded auto tour route(s)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	–	+	+
IV-8	Change orientation and connection to Battlefield visitor center to McFarland Gap Rd. from LaFayette Rd.	n/a	n/a	n/a	n/a	n/a	+	n/a	○	n/a	+	n/a	n/a	+	+	+
IV-9	Install new directional signage at major intersections to major historic sites within the Battlefield	n/a	n/a	n/a	+	n/a	+	n/a	n/a	n/a	n/a	n/a	+	○	+	+
IV-10	Clarify commercial vehicle standards for Park roads	n/a	n/a	n/a	n/a	n/a	○	n/a	n/a	+	+	+	n/a	+	+	+
IV-11	Lower speed limit on LaFayette Rd.	+	+	+	n/a	n/a	–	n/a	n/a	+	+	+	n/a	+	+	+
IV-12	Lower speed limits on McFarland Gap Rd. and Reed’s Bridge Rd.	+	+	+	n/a	n/a	–	n/a	n/a	+	+	+	n/a	+	+	+
IV-13	Develop alternative transportation/Park shuttle system	n/a	n/a	n/a	n/a	n/a	+	n/a	+	+	+	+	n/a	+	+	+
IV-14	Increase speed limit on LaFayette Rd.	–	–	–	n/a	n/a	+	n/a	–	–	–	–	n/a	–	–	–
IV-15	Close gate at Park entrance locations at Alexander’s Bridge Rd.	–	–	n/a	n/a	n/a	○	–	n/a	+	+	+	+	+	+	+

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